

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6156928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L2	2	("6143921").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L3	2	("6180821").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L4	2	("6040474").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L5	2	("6670504").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L6	9	L1 OR L2 OR L3 OR L4 OR L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L7	2	"6790983".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L8	254	(562/549).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L9	157	(562/544).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L10	393	L9 or L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L11	8415633	CO or (carbon adj monoxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51

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L12	176	L11 and L10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L13	2	L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L14	220	(560/241).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L15	86	L11 and L14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L16	1419402	feed	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L17	2534102	feed or starting	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L18	599	L10 or L14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L19	22117	L11 near10 L17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L20	22117	L17 and L19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L21	39	L18 and L19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L22	1423	((alkene or olefin or alkane) and carboxylic and (carbon adj monoxide or CO)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L23	115	((alkene or olefin or alkane) same carboxylic same (carbon adj monoxide or CO)).clm.	US-PGPUB	OR	ON	2007/04/17 08:51

EAST Search History

L24	14431	L11 near5 L17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L25	5	"I29" and L19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L26	318	((alkene or olefin or alkane) same carboxylic same (carbon adj monoxide or CO)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L27	0	((alkene or olefin or alkane) near10 carboxylic near10 (carbon adj monoxide or CO) near10 (percent or "%")).clm.	US-PGPUB	OR	ON	2007/04/17 08:51
L28	5	((alkene or olefin or alkane) near10 carboxylic near10 (carbon adj monoxide or CO) and (percent or "%")).clm.	US-PGPUB	OR	ON	2007/04/17 08:51
L29	25	((alkene or olefin or alkane) same carboxylic same (carbon adj monoxide or CO) and (percent or "%")).clm.	US-PGPUB	OR	ON	2007/04/17 08:51
L30	20	L29 not L28	US-PGPUB	OR	ON	2007/04/17 08:51
L31	2	("3059007").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L32	2	("6476261").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L33	0	("I8andI34").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L34	1	L11 and L32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51
L35	2	("7078563").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L36	2	L11 and L35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/17 08:51

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L37	2	("6548697").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L38	2	("6727380").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L39	2	("6225496").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L40	0	("7211688").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L41	2	("20050085659").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L42	2	("6342628").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L43	2	("6225496").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L44	2	("6258978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51
L45	2	("6350901").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 08:51

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 18	CA/CAPplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	4	DEC 18	CA/CAPplus patent kind codes updated
NEWS	5	DEC 18	MARPAT to CA/CAPplus accession number crossover limit increased to 50,000
NEWS	6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	7	DEC 27	CA/CAPplus enhanced with more pre-1907 records
NEWS	8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	9	JAN 16	CA/CAPplus Company Name Thesaurus enhanced and reloaded
NEWS	10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	12	JAN 22	CA/CAPplus updated with revised CAS roles
NEWS	13	JAN 22	CA/CAPplus enhanced with patent applications from India
NEWS	14	JAN 29	PHAR reloaded with new search and display fields
NEWS	15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	19	FEB 26	MEDLINE reloaded with enhancements
NEWS	20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	25	MAR 16	CASREACT coverage extended
NEWS	26	MAR 20	MARPAT now updated daily
NEWS	27	MAR 22	LWPI reloaded
NEWS	28	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	29	MAR 30	INPADOCDB will replace INPADOC on STN
NEWS	30	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
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NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:27:28 ON 17 APR 2007

=> caplus

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> carbon monoxid

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 08:28:09 ON 17 APR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 17 Apr 2007 VOL 146 ISS 17

FILE LAST UPDATED: 15 Apr 2007 (20070415/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> carbon monoxide

1269943 CARBON

27299 CARBONS

1279689 CARBON

(CARBON OR CARBONS)

182739 MONOXIDE

1018 MONOXIDES

183276 MONOXIDE

(MONOXIDE OR MONOXIDES)

L1 154621 CARBON MONOXIDE

(CARBON (W) MONOXIDE)

=> CO

869706 CO

```

      28626 COS
L2      894516 CO
              (CO OR COS)

=> l1 or l2
L3      936068 L1 OR L2

=> alken or olefin or alkane
      535 ALKEN
      2 ALKENS
      537 ALKEN
              (ALKEN OR ALKENS)
      101309 OLEFIN
      103539 OLEFINS
      158168 OLEFIN
              (OLEFIN OR OLEFINS)
      39868 ALKANE
      72546 ALKANES
      88025 ALKANE
              (ALKANE OR ALKANES)
L4      239284 ALKEN OR OLEFIN OR ALKANE

=> l3(l)l
L5      15303 L3(L)L4

=> carboxylic
      248619 CARBOXYLIC
      48 CARBOXYLICS
L6      248639 CARBOXYLIC
              (CARBOXYLIC OR CARBOXYLICS)

=> l5 (l)l6
L7      692 L5 (L)L6

=> l5(l)l6
L8      692 L5(L)L6

=> percent or "%"
'""' NOT VALID HERE

=> percent
      89312 PERCENT
      1840 PERCENTS
L9      90879 PERCENT
              (PERCENT OR PERCENTS)

=> %
L10     0 %

=> "%"
'""' NOT VALID HERE

=> '%'
'%' NOT VALID HERE

=> l9 (l)l8
L11     1 L9 (L)L8

=> d l11 rti fbib abs
'RTI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

```

The following are valid formats:

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ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE

```

APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 CLASS ----- IPC, NCL, ECLA, FTERM
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
 ENTER DISPLAY FORMAT (BIB):end

=> d l11 ti fbib abs

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Carboxylic acids
 AN 1963:32931 CAPLUS
 DN 58:32931
 OREF 58:5519f-g

TI Carboxylic acids
IN Vos, Johan M.; de Vries, Rudi
PA Shell Oil Co.
SO 4 pp.
DT Patent
LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3059007		19621016	US 1961-79967	19610103
				NL	19600115

AB In the catalytic addition of CO and H2O to olefins, higher yields and purer carboxylic acids are obtained if polyunsatd. compds. are removed from the feed stock, preferably by selective hydrogenation. Thus, an olefinic stock (A) from cracking paraffin wax was hydrogenated over NiS on Al2O3 at 250-60° and 10 atmospheric to give stock B. Properties of A and B, resp.: maleic anhydride

number

48, 0.2; b.p. 133-67°, 135-84°; Br number 107, 94; percent composition monoolefins 72, 76; diolefins 5, 0; aromatics 7, 7; alkanes 12, 13; cycloalkanes. 4, 4. In continuous operation 275 g. feed stock and 1175 g. catalyst (H3PO4-BF3-H2O = 1: 1: 1 molar) per hr. were fed into a stirred pressure vessel with CO to maintain 100 atmospheric; temperature 60°. Addition of feed and withdrawal of product were

such

as to maintain 3 l. liquid in the vessel with residence time 2.5-3 hrs. After 7 days running, feed A was producing product containing 38.2% carboxylic acids and 23.0% polymeric organic material; corresponding values from B were 62.9 and 9.0%, resp.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.50	27.71

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.78	-0.78

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:36:39 ON 17 APR 2007